

Commissioner for Patents

SN 09/990,572

File No.: 6446-17US AD/AC

November 29, 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Osama MOSELHI et al.  
Serial No.: 09/990,572  
Filed: November 23, 2001  
Title: METHOD AND APPARATUS FOR THE AUTOMATED  
DETECTION AND CLASSIFICATION OF DEFECTS IN  
PIPES  
Group Art Unit: 2625  
Examiner: Sheela C. Chawan – Tel. N° (703) 305-4723  
Agent of Record: Alexandra Daoud, Reg. No. 55,992  
Telephone N°: (514) 847-4333

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Arlington, VA 22202

**Declaration**

Sir:

I, **Osama MOSELHI**, do hereby solemnly declare that:

(1) I am a citizen of Canada and am employed by Concordia University in Montreal, Canada.

(2) I am co-inventor of United States patent application serial number 09/990,572 filed on November 23, 2001, the other co-inventor being Mr. Tariq Shehab-Eldeen.

- 1 -

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PAGE 3/5

(3) I am co-author of the publication "Classification of Defects in Sewer Pipes Using Neural Networks" (Journal of Infrastructure System, Sept. 2000, pages 97-104), the other co-author being Mr. Tariq Shehab-Eldeen.

(4) No one else, besides myself and Mr. Shehab-Eldeen, participated in developing the inventive concepts described in either of the above-referenced patent or the above-referenced publication.

(5) I, the undersigned, declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C §1001 of the United States Code and that such willful false statements may jeopardize the validity of any patent issued for the above-referenced patent application.

Osama MOSELHI

By: Date: Dec - 14, 2005

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**Declaration**

Sir:

I, Tariq SHEHAB-ELDEEN, do hereby solemnly declare that:

(1) I am a citizen of Canada and am employed by California State University, Long Beach, CA, United States of America.

(2) I am co-inventor of United States patent application serial number 09/990,572 filed on November 23, 2001, the other co-inventor being Mr. Osama Moselhi.

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(3) I am co-author of the publication "Classification of Defects in Sewer Pipes Using Neural Networks" (Journal of Infrastructure System, Sept. 2000, pages 97-104), the other co-author being Mr. Osama Moselhi.

(4) No one else, besides myself and Mr. Moselhi, participated in developing the inventive concepts described in either of the above-referenced patent or the above-referenced publication.

(4) I, the undersigned, declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C §1001 of the United States Code and that such willful false statements may jeopardize the validity of any patent issued for the above-referenced patent application.

Tariq SHEHAB-ELDEEN

By: TARIQ SHEHAB-ELDEEN Date: 12/11/05

